

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Yu et al.

Application No.: 09/589,287

Art Unit: 1646

Filed: June 8, 2000

Examiner: Prasad, S

For: Neutrokin- $\alpha$  and Neutrokin- $\alpha$   
Splice Variant

Atty Docket No.: PF343P3C1

**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**In the Claims:**

Claims 2-16 and 18-25 have been cancelled without prejudice.

New claims 26 to 250 have been added.

## List of Independent Claims

For the Examiner's convenience, Applicants include this list of the set of independent claims filed on August 17, 2001 in 09/589,287.

26. (New) An isolated antibody or portion thereof that specifically binds to a protein consisting of an amino acid sequence of amino acid residues 1 to 285 of SEQ ID NO:2;

47. (New) An isolated antibody or portion thereof that specifically binds to a protein consisting of an amino acid sequence of amino acid residues 73 to 285 of SEQ ID NO:2.

68. (New) An isolated antibody or portion thereof that specifically binds to a protein consisting of an amino acid sequence selected from the group consisting of:

(a) the amino acid sequence of amino acid residues n to 285 of SEQ ID NO:2, where n is an integer in the range of 2-190;

(b) the amino acid sequence of amino acid residues 1 to m of SEQ ID NO:2, where m is an integer in the range of 274 to 284; and

(c) the amino acid sequence of amino acid residues n to m of SEQ ID NO:2, where n is an integer in the range of 2-190 and m is an integer in the range of 274-284.

92. (New) An isolated antibody or portion thereof that specifically binds to a protein consisting of the amino acid sequence of amino acid residues 134-285 of SEQ ID NO:2.

113. (New) An isolated antibody or portion thereof that specifically binds to a protein consisting of a fragment of SEQ ID NO:2, wherein said fragment comprises an amino acid sequence of at least 9 contiguous amino acid residues of SEQ ID NO:2.

136. (New) An isolated antibody or portion thereof that specifically binds to a protein consisting of a fragment of SEQ ID NO:2, wherein said fragment comprises an amino acid sequence selected from the group consisting of:

(a) the amino acid sequence of amino acid residues 115 to 147 of SEQ ID NO:2;

(b) the amino acid sequence of amino acid residues 150 to 163 of SEQ ID NO:2;

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- (c) the amino acid sequence of amino acid residues 171 to 194 of SEQ ID NO:2;
- (d) the amino acid sequence of amino acid residues 223 to 247 of SEQ ID NO:2; and
- (e) the amino acid sequence of amino acid residues 271 to 278 of SEQ ID NO:2.

162. (New) An isolated antibody or portion thereof that specifically binds to a protein consisting of the full-length protein encoded by the cDNA contained in ATCC Deposit Number 97768.

183. (New) An isolated antibody or portion thereof that specifically binds to a protein consisting of the extracellular domain of the protein encoded by the cDNA contained in ATCC Deposit Number 97768.

204. (New) An isolated antibody or portion thereof that specifically binds to a protein consisting of an amino acid sequence selected from the group consisting of:

- (a) the amino acid sequence of an amino-terminal deletion protein mutant of the full-length protein encoded by the cDNA contained in ATCC Deposit Number 97768, wherein said amino-terminal deletion protein mutant excludes up to 190 amino acid residues from the amino terminus of said full-length protein encoded by the cDNA contained in ATCC Deposit Number 97768;

- (b) the amino acid sequence of a carboxy-terminal deletion protein mutant of the full-length protein encoded by the cDNA contained in ATCC Deposit Number 97768, wherein said carboxy-terminal deletion protein mutant excludes up to 11 amino acid residues from the carboxy terminus of said full-length protein encoded by the cDNA contained in ATCC Deposit Number 97768; and

- (c) the amino acid sequence of an amino- and carboxy-terminal deletion protein mutant of the full-length protein encoded by the cDNA contained in ATCC Deposit Number 97768, wherein said amino- and carboxy-terminal deletion protein mutant excludes up to 190 amino acid residues from the amino terminus and up to 11 amino acid residues from the carboxy terminus of said said full-length protein encoded by the cDNA contained in ATCC Deposit Number 97768.

228. (New) An isolated antibody or portion thereof that specifically binds to a protein consisting of a fragment of the polypeptide encoded by the cDNA contained in ATCC Deposit Number 97768, wherein said fragment comprises an amino acid sequence of at least 9 contiguous amino acid residues of the polypeptide encoded by the cDNA contained in ATCC Deposit Number 97768.